

- **Kionke, Steffen: Profinite properties of arithmetic groups (SR 0)**

An arithmetic group is, roughly speaking, a group of matrices with integer entries; e.g. the special linear group  $SL(n, \mathbb{Z})$ . In this talk we discuss properties of arithmetic groups that can be read off from the finite quotient groups - such properties are called "profinite". In particular, we discuss the profiniteness of homological invariants of arithmetic groups and their locally symmetric spaces such as the L2-Betti numbers and the Euler characteristic.

(This is based on joint work with H. Kammeyer, J. Raimbault and R. Sauer.)